The PLC Based Water Level Control Module gives an idea regarding the usage of Programmable Logic Controllers in an industrial environment; it considers an example of Level Control Process.

TECHNICAL SPECIFICATION

PLC	Siemens Logo / Equivalent Digital inputs- 8, Digital outputs- 4 Input / Output LED indication on front panel. PC interface facility, PC-PLC interfacing cable. (Optional)
LCD	1.5 LCD Display and Keypad.
Actual Plant I/O	Digital Inputs: 3 / Digital Outputs: 2
Level Tank	Material: Transparent acrylic, Dimension: 150 (L) mm×150 (W) mm×400(H) mm
Sump Tank	Material: Stainless Steel 1.5mm thick/P.P. 5mm thick Capacity: 30 Liters. Dimension: 1ft (L) ×1ft (W) ×1 ft (H).
Fractional HP Pump	1f 230V AC, Vertical, SS body.
Level Switch	Float operated, Float Material: Ss304 Switching voltage: 240 VAC\200 VDC Switching Current: 1.5A Switch Action: Reversible Weight: 150 gm
Indicating Lamp	24 VDC Operated
Solenoid valve	1f 230V Single phase.½" size, Vertical mounting.

Necessary I/P- O/P simulating devices.

Features:

- Turnkey system.
- Two line display on PLC unit for programming.
- Side mounted miniature level switches (3 no.) for water level position Inputs to PLC unit.
- Solenoid valve & pump control from digital outputs on PLC (2 no.)
- MS Powder coated tabletop frame containing water level module.
- Ladder diagram programming facility on PC.
- Electrical control panel for simulation of digital inputs.
- Front panel for display of digital input / output status.
- Computerized control system trainer (optional).
- Caster wheel mounted movable frame

Services Required:-

- Electric Supply 1f 230 V AC 50 Hz.
- Water Supply & Drainage Arrangement.

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.